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NEWS 8 Mar 22 TRCTHERMO no longer available
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NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 19 Jun 03 New e-mail delivery for search results now available
NEWS 20 Jun 10 MEDLINE Reload
NEWS 21 Jun 10 PCTFULL has been reloaded
NEWS 22 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 23 Jul 19 NTIS to be reloaded July 28, 2002

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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=> s acid (w) cellulose

21 FILES SEARCHED...

32 FILES SEARCHED...
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L1 3597 ACID (W) CELLULOSE

=> s cellulose (4) detergent
MISSING OPERATOR 'CELLULOSE (4'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s cellulose (4A) detergent
43 FILES SEARCHED...
L2 3413 CELLULOSE (4A) DETERGENT

=> s cellulose (3A) degradation
42 FILES SEARCHED...
88 FILES SEARCHED...
L3 14361 CELLULOSE (3A) DEGRADATION

=> s l1 and l2 and l3
54 FILES SEARCHED...
L4 0 L1 AND L2 AND L3

=> s l1 and l2
55 FILES SEARCHED...
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L6 11 DUPLICATE REMOVE L5 (0 DUPLICATES REMOVED)

=> d l6 1-11 bib ab

L6 ANSWER 1 OF 11 USPATFULL
AN 2002:85517 USPATFULL
TI Liquid composition
IN Forth, Peter Jens, Strombeek, BELGIUM
Jeuniaux, Etinne Maria Betty Andre, Merchtem, BELGIUM
Aelbrecht, Hilde Christina Jozef, Merchtem, BELGIUM
PA The Proctor & Gamble Company (non-U.S. corporation)
PI US 2002045559 A1 20020418
AI US 2001-920413 A1 20010801 (9)
PRAI GB 2000-19345 20000808
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL
CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1036
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to a pouched liquid composition which comprises

an alkoxyated amine, imine, amide or imide compound, small amount of water and specific levels high ionic strength chelating agents.

L6 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2001:265630 CAPLUS

DN 134:277583

TI Cellulose films for screening

IN Herbert, William; Chanzy, Henri Dominique; Ernst, Steffen; Schuelein, Martin; Husum, Tommy Lykke; Kongsbak, Lars

PA Novozymes A/S, Den.

SO PCT Int. Appl., 89 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001025470	A1	20010412	WO 2000-DK536	20000929
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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EP 1222306	A1	20020717	EP 2000-962259	20000929
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

PRAI DK 1999-1414 A 19991001
WO 2000-DK536 W 20000929

AB The invention relates to a cellulose film comprising microfibrillated cellulose and to the use of it for screening of a biol. compd. The invention further relates to a cellulose film for screening for nucleic acids encoding a biol. compd. Bacterial cellulose microfibril films contg. fluorescein-labeled Hb or galactomannan were prepd. and used to detect proteases or mannases, resp.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2001:137338 CAPLUS

DN 134:180338

TI Disintegrating component, detergent composition, and detergent manufacture

IN Ingram, Barry Thomas; Heinzman, Stephen Wayne; Struillou, Arnaud Pierre

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 75 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001012767	A1	20010222	WO 1999-US18379	19990812
W:				
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RW:				
GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,				

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9955591 A1 20010313 AU 1999-55591 19990812
PRAI WO 1999-US18379 A 19990812
AB Disintegrating components suitable for use in detergent compns. which will provide dissoln. and/or dispensing benefits, preferably **detergent** compns. comprising crosslinked **cellulose** (e.g. fibrous). The detergent compns. have good disintegration properties, good dispensing and/or residues properties. The detergent compns. may be in tablet form. Preferably crosslinked cellulose is combined with addnl. disintegrating agents, more preferably the disintegrating components comprise a wicking agent and a water-swellaable agent, preferably in an intimate mixt. An example disintegrating component was prepd. by mixing curly crosslinked fiber, Nymcel, and glycerol binder to form an agglomerate (2 mm) for adding to a detergent compn.
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L6 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS
AN 2000:605719 CAPLUS
DN 133:179333
TI **Cellulose** disintegrant for **detergent** compositions having good dissolution properties
IN Ingram, Barry Thomas; Heinzman, Stephen Wayne; Struillou, Arnaud Pierre
PA The Procter + Gamble Company, USA
SO Brit. UK Pat. Appl., 70 pp.
CODEN: BAXXDU

DT Patent
LA English

FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI GB 2339575 A1 20000202 GB 1998-15315 19980715
AB Tableted **detergent** compns. comprise crosslinked **cellulose** and addnl. disintegration agents such as water swellaable polyacrylates, starch, CM-cellulose or its copolymers. Citric acid-crosslinked cellulose (25%) was coated with 75% Nymcel and agglomerated with glycerol to give a disintegrant for adding to a powder detergent.

L6 ANSWER 5 OF 11 WPINDEX (C) 2002 THOMSON DERWENT
AN 1998-357571 [31] WPINDEX
DNC C1998-110065
TI Composite material comprises crosslinked chitin and/or chitosan and homopolymer of amino acid and/or **cellulose** - used in cosmetics, **detergents** and soil conditioners.
DC A11 A23 A96 A97 C04 D21 D25
PA (JAPS) NIPPON GOSEI GOMU KK
CYC 1
PI JP 10139889 A 19980526 (199831)* 5p
ADT JP 10139889 A JP 1996-315483 19961112
PRAI JP 1996-315483 19961112
AB JP 10139889 A UPAB: 19980805
Composite material comprises crosslinked complex formed from: (i) water-soluble chitin and/or water-soluble chitosan; and (ii) a homopolymer of amino acid and/or cellulose derivatives.
USE - The composite is used in cosmetics, detergents and soil conditioners.
ADVANTAGE - The composite material has high hygroscopicity, water absorption moisture retention properties.
Dwg.0/0

L6 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1995:787899 CAPLUS

DN 123:202935

TI Monolayer properties and structure of Langmuir-Blodgett (LB) films in mixtures of arachidic acid and cellulose derivatives

AU matsumoto, Mutsuo; Gotoh, Keiko; Mobushima, Izumi; Sasaki, Humi; Uchida, Tomoko; Tagawa, Mieko

CS Inst. for Chemical Research, Kyoto Univ., Uji, 611, Japan

SO Yukagaku (1995), 44(8), 573-8

CODEN: YKGKAM; ISSN: 0513-398X

DT Journal

LA Japanese

AB The surface properties and structures of mixed monolayers were studied to establish an assembled model for a detergent system. Surface pressure-area curves of the mixed monolayers of arachidic acid and cellulose derivs. showed a sinuous aspect with apparent inflection points. The curves of the mixed monolayers were consistent with the isotherms calcd. on the assumption of the fractional summation in isotherms of pure monolayers, thus demonstrating the sepn. of mols. in a mixed monolayer, LB films with a single layer were prepd. as a mixed monolayer of arachidic acid and cellulose deriv. at a mixing ratio of 1/1. The monolayer was transferred onto a specimen grid covered with carbon supporting film at different surface pressures by the horizontal attachment method. LB film structures were then obsd. by dark-field electron microscopy. Micrographs of the films indicated inhomogeneous structures, thus showing phase sepn. in the mixed monolayer. The microscopically phase-sepd. monolayer would thus appear usable as a model detergent system in which arachidic acid in incorporated into the cellulose deriv.

L6 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1987:498646 CAPLUS

DN 107:98646

TI Cellulose protectors

IN Anrii, Karon

PA Air Liquide, Societe Anon. pour l'Etude et l'Exploitation des Procedes Georges Claude, Fr.

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62036498	A2	19870217	JP 1985-174422	19850809
AB	Cellulose protectors for use in simultaneous bleaching-laundering contain .gtoreq.1 organophosphonic acid deriv. chosen from aminomethylenephosphonic, 1-hydroxyethylidene-1,1-diphosphonic, ethylenediaminetetramethylenephosphonic, and diethylenetriaminepentamethyl enephosphonic acid and their partial salts and .gtoreq.1 organoacetic acid deriv. chosen from EDTA and diethylenetriaminepentaacetic acid. Thus, in laundering cotton with alk. detergent and H2O2, the cellulose d.p. was 1050 and 720 after 50 laundering cycles, when laundering was done in the presence and absence, resp., of Oralsan BL, aq. mixt. of diethylenetriaminepentamethylenephosphonic acid and diethylenetriaminepentaacetic acid Na salt.				

L6 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1986:188765 CAPLUS

DN 104:188765

TI Weakly acidic detergent compositions

IN Horiuchi, Teruo; Tanaka, Shigeko

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60212497	A2	19851024	JP 1984-67501	19840406
AB	The title compns., esp. effective for removing stains contg. dirt and sebum, contain cellulase, acidic compds., and anionic surfactants selected from .alpha.-sulfo fatty acid ester salts, .alpha.-olefinsulfonates, sulfate ester salts, and alkyl or alkenyl ether sulfates. Thus, a soln. (pH 5) contg. 5% cellulase, 25% Na C10-18-.alpha.-olefinsulfonate, and phytic acid gave better detergency in the washing of dirt-stained socks, compared with an alk. detergent.				

L6 ANSWER 9 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1985:229271 BIOSIS

DN BA79:9267

TI THE NUTRITIVE VALUE OF NORMAL AND BROWN MIDRIB-3 MAIZE.

AU WELLER R F; PHIPPS R H; GRIFFITH E S

CS NATL. INST. RES. DAIRYING, SHINFIELD, READING, RG2 9AT.

SO J AGRIC SCI, (1984) 103 (1), 223-228.

CODEN: JASIAB. ISSN: 0021-8596.

FS BA; OLD

LA English

AB Normal and brown midrib-3 (bm3) maize plants of 3 genotypes (Inra 188, Inra 240 and Inra 258) were sampled at 3 stages of maturity. Whole crop and plant components were analyzed for in vitro digestible organic matter in the dry matter (DOMD) and the concentration of neutral **detergent fiber, cellulose**, hemicellulose, xylose, soluble sugars, starch and total N in the dry matter. The concentrations of total nitrogen, neutral **detergent fiber, cellulose**, hemicellulose and xylose were similar in both normal and bm3 plants. Xylose was the main constituent sugar of hemicellulose forming 70-75% of the total hemicellulose. The higher concentration of soluble sugars and lower concentration of starch in the bm3 plants was attributed to later maturity. The bm3 gene significantly reduced lignin synthesis in the whole plant and plant components at all harvests. The mean concentration of lignin in the normal and bm3 plants were 2.2 and 1.4%, respectively. The ferulic and p-coumaric acid concentrations in the bm3 plants were 1.31 and 0.93 mg/g D.M. [dry matter] compared with 1.59 and 1.16 mg/g D.M. for the normal plants, respectively. The in vitro DOMD values for the bm3 plants were significantly higher (P < 0.05) than their normal counterparts.

L6 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1973:420663 CAPLUS

DN 79:20663

TI Builder for phosphate-free detergent compositions

IN Adams, James William; Hoftiezer, Henry Wilbert

PA American Can Co.

SO U.S., 8 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3721627	A	19730320	US 1970-95992	19701207
	CA 954764	A1	19740917	CA 1971-119326	19710728
PRAI	US 1970-95992		19701207		
AB	A phosphate-free detergent compn. with good sequestering properties, good				

soil redeposition prevention, good stability toward bleaching agents and hot aq. alk. media, and suitable for cleaning of fabrics, glassware, and dishes, contained an anionic or nonionic surfactant and a water-insol., fibrous, hydrophilic building agent formed by in situ graft polymn. of acrylonitrile [107-13-1] or methacrylic acid [79-41-4] on natural cellulose fibers followed by drying and ball milling to give a fine powder. Thus, bleached aspen kraft pulp 100, deionized H₂O 2700, and ferrous ammonium sulfate hexahydrate 0.3 parts were adjusted to pH 3.7 by addn. of 10% H₂SO₄, 180 parts acrylonitrile was added, the mixt. heated to 78.deg., and 10 parts H₂O₂ added to initiate the graft polymn. A mixt. of polymer-grafted pulp 100, H₂O 1850, and NaOH 50 parts was heated at 90.deg. for 90 min to hydrolyze the grafted polyacrylonitrile. The resulting pastelike aq. suspension was oven dried and ball milled 6 hr to give a powder with particle diam. <44.mu.. An aq. soln. contg. 400 ppm hardness, 0.025% Tergitol 15-S-9 (nonionic surfactant) and 0.15% of the above building agent gave 52% detergency and 82.6% brightness on a test fabric after washing, compared with 20 and 68.2, resp., for a soln. contg. the surfactant but no builder.

L6 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1970:532114 CAPLUS

DN 73:132114

TI Increasing the reactivity of cellulose to heterogeneous acetylation

AU Vostrilova, N. V.; Zaripova, A. M.; Korotkova, T. F.; Usmanov, Kh. U.

CS USSR

SO Strukt. Modif. Khlop. Tsellyul. (1969), No. 4, 45-52

From: Ref. Zh., Khim. 1970, Abstr. No. 10S844

CODEN: SMKTAH

DT Journal

LA Russian

AB Cotton cellulose was obtained by cooking linters with 2% NaOH for 4 hr at 145-150.degree., and bleaching at 40.degree. for 1 hr with NaOCl soln. at an active Cl consumption of 1.5%, based on cellulose wt. After acidification, washing, and drying, the cellulose samples were treated with surfactants (Na CM-cellulose, detergents, lignosulfonic acid, trilon B) and washed; their reactivity on acetylation and the properties of the cellulose acetates (I) were studied. Cellulose was also treated with solns. of OP-7, K palmitate, diepoxide, epichlorohydrin, triethanolamine, and 2 detergents (Mil'va and Chaika) without subsequent washing. The surfactants were also added during the cooks of linters. Treatment of cellulose with surfactants before acetylation, followed by washing, improved the soly. of I and the clarity of the solns. and also gave products with a more uniform mol. wt. distribution. Treatment with surfactants without subsequent washing had in most cases a detrimental effect on acetylation and gave insol. I and turbid solns. The best quality I, giving well-filterable solns., were from cooks in the presence of CM-cellulose or lignosulfonic acid, and from linters cleaned in a centricleaner before cooking.

=>

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=> s acid (w) cellulase

23 FILES SEARCHED...

43 FILES SEARCHED...

60 FILES SEARCHED...

L7 227 ACID (W) CELLULASE

=> s cellulase (5A) detergent
45 FILES SEARCHED...
L8 1632 CELLULASE (5A) DETERGENT

=> s cellulose (3A) degradation
30 FILES SEARCHED...
60 FILES SEARCHED...
L9 14361 CELLULOSE (3A) DEGRADATION

=> s l7 and l8 and l9
75% OF LIMIT FOR L#S REACHED
34 FILES SEARCHED...
88 FILES SEARCHED...
L10 6 L7 AND L8 AND L9

=> duplicate
ENTER REMOVE, IDENTIFY, ONLY, OR (?):remove
ENTER L# LIST OR (END):l10
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE, DRUGLAUNCH, DRUGMONOG2, DRUGUPDATES, FEDRIP, FOREGE, GENBANK, KOSMET, MEDICONE, PHAR, SYNTHLINE, CHEMLIST, HSDB, MSDS-CCOHS, MSDS-OHS, RTECS, CONF, EVENTLINE, IMSDRUGCONF, DIOGENES, INVESTEXT, USAN, FORIS, FORKAT, UFORDAT'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L10
L11 6 DUPLICATE REMOVE L10 (0 DUPLICATES REMOVED)

=> d l11 1-6 bib ab

L11 ANSWER 1 OF 6 USPATFULL
AN 2001:152503 USPATFULL
TI Methods for laundry using polycations and enzymes
IN Johansen, Charlotte, Holte, Denmark
PA Novozymes A/S, Bagsvaerd, Denmark (non-U.S. corporation)
PI US 6287585 B1 20010911
AI US 1998-143622 19980828 (9)
RLI Continuation of Ser. No. WO 1997-DK98, filed on 5 Mar 1997
PRAI DK 1996-262 19960306
DT Utility
FS GRANTED
- EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Seidleck, Brian K.
LREP Lambiris, Elias J., Garbell, John I.
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1892

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a method of killing or inhibiting the growth of microbial cells present on laundry, comprising contacting the cells with a composition comprising a poly-cationic compound, preferably a polyamino acid, a polyvinylamine, a copolymer prepared from vinylamine and one or more carboxylic acid anhydrides, e.g. a polymer comprising 0.1-100 mol % vinyl amine or ethyleneimine units, 0-99.9 mol % units of at least one monomer selected from N-vinylcarboxamides of the formula I ##STR1##

wherein R.sup.1 and R.sup.2 are hydrogen or C.sub.1 -C.sub.6 -alkyl;

vinyl formate, vinyl acetate, vinyl propionate, vinyl alcohol, C.sub.1 -C.sub.6 -alkyl vinyl ether, mono ethylenic unsaturated C.sub.3 -C.sub.8 -carboxylic acid, and esters, nitrites, amides and anhydrides thereof, N-vinylurea, N-imidazoles and N-vinyl imidazolines; and

0-5 mol % units of monomers having at least two unsaturated ethylenic double bonds;

and one or more enzymes, preferably glycanases, muranases, oxidoreductases, glucanases, proteases, amylases, lipases, pectinases and xylanases.

L11 ANSWER 2 OF 6 USPTFLL
AN 2000:7284 USPTFLL
TI Process for removal or bleaching of soiling or stains from cellulosic fabric
IN von der Osten, Claus, Lyngby, Denmark
Cherry, Joel R., Davis, CA, United States
Bjornvad, Mads E., Frederiksberg, Denmark
Vind, Jesper, Lyngby, Denmark
Rasmussen, Michael Dolberg, Vallensbaek, Denmark
PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
PI US 6015783 20000118
AI US 1997-814052 19970306 (8)
RLI Continuation of Ser. No. WO 1997-DK42, filed on 29 Jan 1997
PRAI DK 1996-94 19960129
DT Utility
FS Granted
EXNAM Primary Examiner: Fries, Kery
LREP Zelson, Esq., Steve T., Green, Esq., Reza
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3635

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process for removal or bleaching of soiling or stains present on cellulosic fabric, wherein the fabric is contacted in aqueous medium with a modified enzyme (enzyme hybrid) which comprises a catalytically active amino acid sequence of a non-cellulolytic enzyme linked to an amino acid sequence comprising a cellulose-binding domain. The invention further relates to a detergent composition comprising an enzyme hybrid of the type in question and a surfactant, and to a process for washing soiled or stained cellulosic fabric, wherein the fabric is washed in an aqueous medium to which is added such a detergent composition.

L11 ANSWER 3 OF 6 USPTFLL
AN 2000:7208 USPTFLL
TI Treating cellulosic materials with cellulases from chrysosporium
IN Emalfarb, Mark Aaron, Jupiter, FL, United States
Ben-Bassat, Arie, Wilmington, DE, United States
Sinitsyn, Arkady Panteleimonovich, Moscow, Russian Federation
PA Emalfarb, Mark A., Jupiter, FL, United States (U.S. individual)
PI US 6015707 20000118
AI US 1998-106026 19980629 (9)
RLI Division of Ser. No. US 1996-731170, filed on 10 Oct 1996, now patented, Pat. No. US 5811381
DT Utility
FS Granted
EXNAM Primary Examiner: Wax, Robert A.
LREP Morgan & Finnegan, LLP
CLMN Number of Claims: 50
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1900

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to novel compositions of neutral and/or alkaline cellulase and methods for obtaining neutral and/or alkaline cellulase compositions from Chrysosporium cultures, in particular Chrysosporium lucknowense. This invention also provides mutants and methods of generating mutants of Chrysosporium capable of producing neutral and/or alkaline cellulase. This invention also relates to the genes encoding the enzymes comprising the neutral and/or alkaline cellulase composition. In addition, this invention provides methods of culturing Chrysosporium to produce neutral and/or alkaline cellulases. The neutral and/or alkaline cellulase compositions of the subject invention can be used in a variety of processes including stone washing of clothing, detergent processes, deinking and biobleaching of paper & pulp and treatment of waste streams.

L11 ANSWER 4 OF 6 USPATFULL

AN 1998:115696 USPATFULL

TI Cellulase compositions and methods of use

IN Emalfarb, Mark Aaron, Jupiter, FL, United States

Ben-Bassat, Arie, Wilmington, DE, United States

Burlingame, Richard P., Manitowoc, WI, United States

Chernoglazov, Vladimir Mikhaylovich, Moscow, Russian Federation

Okounev, Oleg Nicolaevich, Moscow, Russian Federation

Olson, Philip T., Manitowoc, WI, United States

Sinitsyn, Arkady Panteleimonovich, Moscow, Russian Federation

Solovjeva, Irina Vladimirovna, Moscow Region, Russian Federation

PA Emalfarb, Mark A., Jupiter, FL, United States (U.S. individual)

PI US 5811381 19980922

AI US 7311702 19961010 (8)

DT Utility

FS Granted

EXNAM Primary Examiner: Lau, Kawai

LREP Morgan & Finnegan

CLMN Number of Claims: 44

ECL Exemplary Claim: 12

DRWN No Drawings

LN.CNT 2026

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention relates to novel compositions of neutral and/or alkaline cellulase and methods for obtaining neutral and/or alkaline cellulase compositions from Chrysosporium cultures, in particular Chrysosporium lucknowense. This invention also provides mutants and methods of generating mutants of Chrysosporium capable of producing neutral and/or alkaline cellulose. This invention also relates to the genes encoding the enzymes comprising the neutral and/or alkaline cellulase composition. In addition, this invention provides methods of culturing Chrysosporium to produce neutral and/or alkaline cellulases. The neutral and/or alkaline cellulase compositions of the subject invention can be used in a variety of processes including stone washing of clothing, detergent processes, deinking and biobleaching of paper & pulp and treatment of waste streams.

L11 ANSWER 5 OF 6 USPATFULL

AN 97:106588 USPATFULL

TI Degradation resistant **detergent** compositions based on **cellulase** enzymes

IN Bjork, Nancy, San Francisco, CA, United States

Clarkson, Kathleen A., San Francisco, CA, United States

Lad, Pushkaraj J., San Mateo, CA, United States

Weiss, Geoffrey L., San Francisco, CA, United States

PA Genencor International, Inc., Palo Alto, CA, United States (U.S. corporation)

PI US 5688290 19971118

AI US 1994-262390 19940620 (8)
 RLI Continuation of Ser. No. US 1992-876927, filed on 1 May 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-686265, filed on 15 Apr 1991, now patented, Pat. No. US 5120463 which is a continuation of Ser. No. US 1989-422814, filed on 19 Oct 1989
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Einsmann, Margaret; Assistant Examiner: Fries, Kery
 LREP Burns, Doanes, Swecker & Mathis, L.L.P.
 CLMN Number of Claims: 27
 ECL Exemplary Claim: 1
 DRWN 9 Drawing Figure(s); 5 Drawing Page(s)
 LN.CNT 1769
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Disclosed are detergent compositions containing a combination of exo-cellobiohydrolase I type cellulase components and endoglucanase type components wherein the exo-cellobiohydrolase I type cellulase components are enriched relative to the endoglucanase type components. The detergent compositions of this invention provide cleaning and softening of cotton garments while also providing substantially reduced degradation of the cotton fabric in the garment.

L11 ANSWER 6 OF 6 USPATFULL
 AN 92:46795 USPATFULL
 TI Degradation resistant **detergent** compositions based on **cellulase** enzymes
 IN Bjork, Nancy S., Burlingame, CA, United States
 Clarkson, Kathleen A., San Francisco, CA, United States
 Lad, Pushkaraj J., San Mateo, CA, United States
 Weiss, Geoffrey L., San Francisco, CA, United States
 PA Genencor International, Inc., South San Francisco, CA, United States (U.S. corporation)
 PI US 5120463 19920609
 AI US 1991-686265 19910415 (7)
 RLI Continuation of Ser. No. US 1989-422814, filed on 19 Oct 1989, now abandoned
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Willis, Jr., Prince; Assistant Examiner: Fries, K.
 LREP Burns, Doane, Swecker and Mathis
 CLMN Number of Claims: 24
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 959
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Disclosed are detergent compositions containing a combination of exo-cellobiohydrolase I type cellulase components and endoglucanase components wherein the exo-cellobiohydrolase I type cellulase components are enriched relative to the endoglucanase components. The detergent compositions of this invention provide excellent cleaning of cotton garments while also providing substantially reduced degradation of the cotton fabric in the garment.